

# Syllabus for geography preliminary

## **Geography- Optional** of Part A - Preliminary Examination of Civil Services Exam

### **Section-A** **Physical Geography**

#### **i) Geomorphology**

Origin of the earth; Geological Time Scale; Interior of the earth; Types and characteristics of rocks; Folding and Faulting; Volcanoes; Earthquakes; Weathering; Landforms caused by fluvial, aeolian and glacial actions.

#### **ii) Climatology**

Structure and composition of atmosphere; Temperature; Pressure belts and Wind systems; Clouds and rainfall types; Cyclones and anti-cyclones; Major climatic types.

#### **iii) Oceanography**

Ocean relief; Temperature; Salinity; Ocean deposits; Ocean currents, El Nino and La Nino; Waves and tides.

#### **iv) Biogeography**

Origin and types of soils; Major biomes of the world; Ecosystem and food chain; Environmental degradation and conservation.

### **Section-B** **Human Geography**

#### **i) Man and Environment Relationship**

Growth and development of Human Geography; Concepts of Determinism and Possibilism.

#### **ii) Population**

Races of mankind and tribes; growth and distribution of world population; migration; population problems of developed and developing countries.

### **iii) Economic Activities**

Food gathering and hunting; pastoral herding; fishing and forestry; Types of agriculture-shifting, subsistence, commercial and plantation; Mining, Power; Manufacturing - locational factors of textile, iron and steel, sugar and fertilizer industries; Tertiary activities-trade, transport, communication and services.

### **iv) Settlements**

Origin, types and patterns of rural settlements; Processes of urbanisation; morphology and functional classification of towns; million-cities and mega-cities.

## **Section-C Geography of the World**

- i) Major Natural Regions : Characteristics, economic base and human adaptation.
- ii) Regional Geography of Developed Countries: Canada, U.S.A., Western Europe, Russia, Japan, Australia and New Zealand.
- iii) Regional Geography of Developing Countries: S.E. Asia, S.W. Asia, China, Southern Africa and Brazil.
- iv) Regional Geography of South Asia.

## **Section-D Geography of India**

### **i) Physical Setting**

Landforms, drainage, climate, soils and natural vegetation.

### **ii) Economic Base**

Minerals & energy resources, aquatic resources, forest resources; irrigation, agriculture and industries; trade and commerce.

### **iii) Population**

Growth, distribution and density; demographic characteristics.

- iv) Environmental problems, developmental issues and regional planning.

## **Section-E** **Geographical Thought**

- i) **Ancient Period:** Contributions of Indians, Greeks, Romans and Arabs.
- ii) **Pre-Modern Period:** Contribution of Verenius, Kant, Humboldt and Ritter.
- iii) **Modern Period:** Dichotomy of determinism and possibilism; contributions of Ratzel, Semple, Huntington and La Blache.
- iv) **Recent Period:** Quantitative Revolution; Radicalism, Behaviouralism and Humanism.

## **Section-F** **Techniques of Geographical Analysis**

- i) **Maps:** Scale and types, uses.
- ii) **Diagrams:** Types and uses
- iii) **Projections:** Types, characteristics and uses.
- iv) **Remote sensing and geographical information system (GIS) :** Aerial photographs and imagery, GIS.